

WHAT IS CLAIMED IS:

1. A diaphragm device for light source light adjustment comprising:

two base plates disposed in the vicinity of the light source, each of which having an aperture for an optical path, an accommodating chamber being formed therebetween, and one of which being disposed adjacently to a light source; and

two stopping-down blades that are disposed in the accommodating chamber and move toward or away from the apertures by relatively reciprocating so as to restrict the sizes of diaphragm apertures by aperture restricting edges thereof,

wherein at least the adjacent-to-the-light-source surface of the base plate disposed adjacently to the light source and the adjacent-to-the-light-source surface of a member exposed to the light of the light source are provided with gray or white heat-resistant painting, the member being mounted on the base plate disposed adjacently to the light source.

2. The diaphragm device for light source light adjustment according to Claim 1, further comprising:

an electromagnetic driving means attached to the base plate disposed on the opposite side from the light source

outside the accommodating chamber,

wherein an output means thereof reciprocates the stopping-down blades in the accommodating chamber.

3. The diaphragm device for light source light adjustment according to Claim 1 or 2, wherein edge surfaces of the aperture restricting edges of the stopping-down blades are finished black.

4. The diaphragm device for light source light adjustment according to Claim 1 or 2, wherein a protective member for blocking infrared rays is installed to the base plate disposed adjacently to the light source such that it covers the front surface of the base plate that is adjacent to the light source.

5. The diaphragm device for light source light adjustment according to Claim 1 or 2, wherein the two stopping-down blades are rotatively mounted on one of the two base plates, and the aperture restricting edges are formed to have substantially arcuate curves.

6. The diaphragm device for light source light adjustment according to Claim 3, wherein the two stopping-down blades are rotatively mounted on one of the two base

plates, and the aperture restricting edges are formed to have substantially arcuate curves.

7. The diaphragm device for light source light adjustment according to Claim 3, wherein a protective member for blocking infrared rays is installed to the base plate disposed adjacently to the light source such that it substantially covers the front surface of the base plate that is adjacent to the light source.

8. The diaphragm device for light source light adjustment according to Claim 3, wherein edge surfaces of the aperture restricting edges of the stopping-down blades are finished black.

9. The diaphragm device for light source light adjustment according to Claim 4, wherein edge surfaces of the aperture restricting edges of the stopping-down blades are finished black.

10. The diaphragm device for light source light adjustment according to Claim 3, wherein the two stopping-down blades are rotatively mounted on one of the two base plates, and the aperture restricting edges are formed to have substantially arcuate curves.

11. The diaphragm device for light source light adjustment according to Claim 4, wherein the two stopping-down blades are rotatively mounted on one of the two base plates, and the aperture restricting edges are formed to have substantially arcuate curves.

12. The diaphragm device for light source light adjustment according to Claim 10 or 11, wherein the two stopping-down blades are rotatively mounted on one of the two base plates, and the aperture restricting edges are formed to have substantially arcuate curves.